

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:

5	GGCACGAGGG AGAACAAAAA TGGCAGCATT CTTGTTCTTC CTCACCACG CAGCCTTCAC	60
	TGCCCCCATC TACTCTTCTC GTGCACCCCTT AACGTGGCA GCTGTCCGCG ACCCTGAATT	120
	AGTAGTACAG GAACTACAAA GAAGCTTGAA CGTGTCCGG CGGGCAGTGG GCTACTTGTC	180
10	ATGCGGCACC GGCAATCCGA TCGACGACTG CTGGCGGTGC GACCCGTACT GGGCTGACAA	240
	CCGGCAGCGG CTCGCGGACT GCGCCATCGG GTTCGGGAAG AACGCGATTG GGGCAGGGA	300
15	CGGGCAGATA TACGTGGTGA CCGACAGTGG CGACNACNAC CCCGTCAATC CGAAGCCGGG	360
	CACGCTCCGG TACGCCGTCA TCCANGAGGG AGCCGCTGTG GATCATCTTC AAGCCGACA	420
	TGGTCATCCA GCTGAAGGAA GGAGCTCATC ATGAAACTCC CACANAGACC ATCGACGGCC	480
20	GGGGCGCCAG CGTCCACATC TCCGGGGGC CGTGCATCAC CACCAAGTNCG TCNCCAACAT	540
	CATCATCCAC GGGCGTCCAC TTCCACNAAT GCAANCAGGG CGGGGAACGC CTTACGTTCG-	600
25	CGACTCCCCC AGGGCACTAC GGGTGGCGCA CCGGTGTCCG AACGGCNANG GGGTTTCAT	660
	CTTCCGCGGG AACCACTTCT GGGGTCA	687

(2) INFORMATION FOR SEQ ID NO: 15:

30 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 741 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: unknown

35 (ii) MOLECULE TYPE: cDNA

40 (vii) IMMEDIATE SOURCE:
 (B) CLONE: U-U84

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:

45	TCCACATTGC CAATGGCGCC TGCATCACCA TNCAGTACAT CACCAACGTC ATCATCCATG	60
	GCCTCCACAT CCACGACTGC AAGCCCACCG GGAATGCCAT GGTCCGCAGC TCTCCTTCTC	120
50	ACTATGGATG GAGAACCATG GCTGATGGGG ATGCCGTTTC CATTTCGGC TCCAGCCACA	180
	TTTGGGTGGA CCACTGCTCT CTGTCCAATC GCGCCGATGG ACTTGTCGAT GCCGTATGG	240
55	GCTCCACTGC CATTACGGTC TCCAACAATT ACTTCACCCA CCACAATGAG GTCATGCTTT	300
	TGGGACACAC TGATTCTTAT GCAAGGGACA GCATCATGCA AGTAACGATC GCATTTAAC	360
	ATTTTGGTGA AGGTCTGATT CAGAGAATGC CCAGGTGCAG GCATGGCTAC TTCCACGTGG	420
60	TAAACAATGA CTACACGCAC TGGGAGATGT ACGCCATTGG CGGTAGCGCG AATCCAACGA	480
	TCAACAGTCA AGGCAACCGA TACCTGGCGC CGACCAATCC ATTTGCAAAG GAAGTAACAA	540
	AAAGGGTGGG CACAGATCAA AGCACGTGGA AAAACTGGAA TTGGANGTCN GAAGGTGACC	600
65	TGCTTCTGAA TGGTGTCTTT TTCACCCCTTC CGGTGCANGG GCTTTCACCC ANCTACGCAC	660
	GGGCCTCCAC TTTGGGGGCA ACCCTCTTCC TTNGTTGANA CACTGACTCT GATGCTGGGG	720
70	TCCTGTTTG CCAATTGGN C	741

(2) INFORMATION FOR SEQ ID NO: 16:

- 5 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 727 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: unknown

10 (ii) MOLECULE TYPE: cDNA

- 15 (vii) IMMEDIATE SOURCE:
 (B) CLONE: U-U89

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:

20	GGCACGAGTT CTCTCCTTCG ATCACATCTT TTTGCTCTGG GAAACGTGAG AGGTGAGAAG	60
	AGGGCGGCAA TGACGGGGGG TTTAACATGG ATTCCCTCCTC TGCTTCTTCT TCTTCTGGGC	120
25	TTCCTGCTGG TTTTGAAACGG AAGTCGGGGG TGGATTGGAA GCGAGCGGTC CTCTGGCTCG	180
	AGGAATGGCG GAGCATCGCG GAGGAGCTTG AGAGAGGCCT CCGCGAACGC GACCAGCGCC	240
30	GATGCTTCCT TCGAAGAGAG GGCTGTAACC AGGGCAGCAG AAGCCGCANT CGACGACCCC	300
	GAGGAGGTTG CTTCGACGGT CCTGACGACC ATAATCAACA GCACGGCTCG CAGATCTCTT	360
35	GGTTATCTGT CGTGGGGTTC AGGCAACCCG ATCGACGACT GCTGGCGGTG CGACCCCGAT	420
	TGGCATGTCA ACAGAAAAAA GCTCGCTGAC TGCGGCATTG GCTTTGGCCC GCAACGCGAT	480
40	ANGTGGCCGC CACNGGGANT TGTNCNTTGT TGACAGACTC CGGGGACGAT GATCCCGTGA	540
	ATCCTCCCCC GGAACACTTA ATATTCCCCG TCATCCCAGA NCTNCCCCTC TGGATCNCCCT	600
	TTTAAACACG ACATTGGAAA TCNCCCCNG GAAGAACTCC TTTNTAACCG CTTTNNAACA	660
	TCNATGGACN CGTGTCCACN TTCCACNTTT GCCAATGGCG CCTGCCTCNC CANCCNATT	720
	AATCNCC	727

45 (2) INFORMATION FOR SEQ ID NO: 17:

- 50 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 842 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: unknown

55 (ii) MOLECULE TYPE: cDNA

- 60 (vii) IMMEDIATE SOURCE:
 (B) CLONE: U-U115

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:

65	GGCACGAGGG AGAACAAAAA TGGCAGCATT CATGTTCTTC CTCACCATCG CAGCCTTCAC	60
	TGCCCGGTC TACTCTTCTC GTGCACCCCT AACGTCAGCA GCTGTCCGG ACCCTGAATT	120
70	AGTAGTACAG GAAGTACAAA GAAGCTTGAA CGTGTGGCGG CGGGCAGTGG GCTACTTGTC	180
	ATGCGGCACC GGCAATCCGA TCGACGACTG CTGGCGGTGC GACCCTGACT GGGCTGACAA	240
	CGGGCAGCGG CTCGCTGACT GCGCCATCGG GTTCGGGAAG AACGCGATT GGGGCAGGGA	300

	CGGCGAGATA TACGTGGTGA CCGACAGTGG CGACNACGAC CCCGTCAATC CGAAAACGGG	360
5	CACGCTCCGG TACGCCGTCA TCCAGGAGGA GCCGCTGTGG ATCATCTTCA AGCGCGACAT	420
	GGTCATCCAG CTGAAGGAGG AGCTCATCAT GAACTCCCAC AAGACCATCG ACGGCCGGGG	480
	CGCCAGCGTC CACATCTCCG GCAGGCCGTG CATCACCAACC AGTACGTAC CAACATCATC	540
10	ATCCACGGCG TCCACATCCA CGAATGCAAG CAGGGCGGGG ACGCGTNCGT TCGCNACTCC	600
	CCAAGGGCAC TACGGGTTGG CGCACNGTGT TCNGACGGCG ACGGGTGTCC ATCTTCCGCG	660
15	GGAAACCACTC TGGGTCCAAC CACTGCANCG CTTGTTCCAA CTTGGCCAC CNAANTGGGC	720
	CTTCCNTCCC AACCCCCATT TCCTTGGGAT TNCCCCCGC CAATTCCCCC ATTTTCCAAC	780
	NAACTTNCTT TGAACCCNCC CNTGAANAAG GTCCCTTGCTG CTGGGTCCCA CCAACAATTT	840
20	NA	842

(2) INFORMATION FOR SEQ ID NO: 18:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 724 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vi) IMMEDIATE SOURCE:

- (B) CLONE: U-U117

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:

40	GGCACGAGTC TCCTTCGATC ACATCTTTTT GCTCTGGAA ACGTGAGAGG TGAGACGAGG	60
	GCGGCAATGA CGGGGGTTT AAGATGGATT CCTCCTCTGC TTCTTCTTCT TATGGGCTTC	120
45	CTGCTGGTTT TGAACGGAGG TCAGGGGTGG ATTGGAAGCG AGAGGTCTC TGGCTCGAGG	180
	AATGGCGGAG CATCGCGGAG GAGCTTGAGA NAGGCCTCCG CGAACCGAC CAGCGCCGAT	240
	GCTTCCTTGG AAGACAGGGC TGTAACCAGG GCAGCAGAAG CCGCAGTCGA TGACCCCGAG	300
50	GAGCTTGCTT CGACGGTCCT GACGACCATA ATCAACAGCA CGGCTCGAAN ATCTCTTGGT	360
	TATGTGTCGT GCGGTTCAAGG CAACCCGATC GACNACTGCT GGCGGTGCGA CCCCAGATTGG	420
55	CATNTCAACA GAAAAAAAGCT CGCTGACTGT GGCAATTGGCT TTGGCCGCAA CCCGATANGT	480
	GGCCCGACG GGGANTTGTN CGTTGTGACA GACTCCGGGG ACGATGATCC CCNTGAATCC	540
	TCCCCCGGGGA ACACTTANAT NCCCCTCNCA CNNGAANTTT CCCCTCTGGA TCNCCTTTAA	600
60	ACCCACNTGG ANATCCCCN CNAGGAAGAA CTCCTTATGA ACNGCTTTT AAAACATCGA	660
	TNGGACCCNG TTTCCACTTC CNCATNGCC NAATTGGCG CCCTGGCCNT CCNCCCNCC	720
65	CCAA	724

(2) INFORMATION FOR SEQ ID NO: 19:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 797 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single